UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

HRASTAR ET AL.

ART GROUP:

2664

APPL. NO.:

09/760,961

EXAMINER:

R. NGO

FILED:

JANUARY 16, 2001

DOCKET NO.:

A-7145

TITLE:

METHOD FOR DYNAMICALLY ASSIGNING LINK ADDRESSES

AND LOGICAL NETWORK ADDRESSES

JUNE 15, 2001

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT RECEIVED

Commissioner for Patents Washington, DC 20231

JUN 1 8 2007

Sir:

Technology Center 2600

Transmitted herewith for filing in the above-identified patent application, please find:

1. X

6 Page Information Disclosure Statement

2. <u>X</u>

Form PTO-1449 (20 Pages)

3. X

Copy of Cited Art

4. X

Return Postcard

In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

By: Ilmsh M.

Scientific-Atlanta, Inc.

Intellectual Property Department

5030 Sugarloaf Parkway

Lawrenceville, GA 30044

KENNETH M. MASSARONI

Attorney of Record

Reg. No.: 33,015

Phone: (770) 236-4717

Fax No.: (770) 236-4806

Certificate of Hand-Delivery

I, <u>Jennifer Harris-Lohse</u>, hereby certify that a copy of this transmittal with all attachments was hand-delivered to Examiner Ricky Ngo at the United States Patent and

Trademark Office on June 18,

. 2001.

Signature

Printed Name

Docket No.: A-7145



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

HRASTAR ET AL.

ART GROUP:

2664

APPL. NO.:

09/760,961

EXAMINER:

R. NGO

FILED:

JANUARY 16, 2001

DOCKET NO.:

A-7145

TITLE:

METHOD FOR DYNAMICALLY ASSIGNING LINK ADDRESSES AND

LOGICAL NETWORK ADDRESSES

JUNE 15, 2001

INFORMATION DISCLOSURE STATEMENT

RECEIVED

Commissioner for Patents Washington, D.C. 20231

JUN 1 8 2001

Sir:

Technology Center 2600

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

I	(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
	under 37 CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or a \$240.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
	under 37 CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and a petition under 37 CFR 1.97(d)(2), and a \$130.00 petition fee set forth in 37 CFR 1.17(i)(1). (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

1

-							
1.	3,985,962	41.	5,239,540	81.	5,604,528	121.	5,845,091
· 2.	4,186,380	42.	5,251,324	82.	5,608,446	122.	5,859,852
3.	4,207,431	43.	5,261,044	83.	5,610,910	123.	5,881,243
4.	4,361,851	44.	5,271,041	84.	5,612,959	124.	5,884,024
5.	4,475,123	45.	5,276,789	85.	5,644,706	125.	5,884,284
6.	4,491,983	46.	5,278,833	86.	5,650,994	126.	5,892,812
7.	4,528,589	47.	5,287,351	87.	5,654,746	127.	5,894,479
8.	4,536,791	48.	5,295,140	88.	5,675,732	128.	5,903,572
9.	4,577,224	49.	5,295,244	89.	5,701,465	129.	5,905,714
10.	4,601,028	50.	5,303,234	90.	5,706,277	130.	5,959,972
11.	4,633,462	51.	5,327,554	91.	5,708,655	131.	5,966,163
12.	4,641,304	52.	5,333,183	92.	5,710,884	132.	5,999,970
	4,672,533	53.	5,347,304	93.	5,712,897	133.	6,018,767
14.	4,757,460	54.	5,361,259	94.	5,720,025	134.	6,028,860
15.	4,771,391	55.	5,384,777	95.	5,721,780	135.	6,032,266
16.	4,804,248	56.	5,390,181	96.	5,724,492	136.	6,049,826
17.	4,823,386	57.	5,404,505	97.	5,729,682	137.	6,052,819
18.	4,858,224	58.	5,423,003	98.	5,737,311	138.	6,055,224
19.	4,907,224	59.	5,423,006	99.	5,737,316	139.	6,058,421
20.	4,912,721	60.	5,436,909	100.	5,751,706	140.	6,065,049
21.	4,980,886	61.	5,440,555	101.	5,751,707	141.	6,070,246
22.	5,012,469	62.	5,471,399	102.	5,751,971	142.	Data-Over Cable Service Interface
23.	5,014,125	63.	5,473,599	103.	5,768,280		Specifications; Cable Modem to Customer Premise Equipment Interface Specification;
24.	5,050,213	64.	5,481,542	104.	5,790,548		SP-CMCI-102-980317; 1988; Cable Television
25.	5,113,499	65.	5,483,631	105.	5,790,806		Laboratories, Inc.; pps. 1-40
26.	5,131,041	66.	5,504,921	106.	5,793,753	143.	Data-Over Cable Service Interface
27.	5,136,690	67.	5,515,361	107.	5,796,718		Specifications; Cable Modem Telephony Return Interface Specification; SP-CMTRI-
28.	5,142,690	68.	5,515,418	108.	5,799,002		I01-970804; 1997; Cable Television
29.	5,155,590	69.	5,517,488	109.	5,799,016		Laboratories, Inc.; pps. 1-74
30.	5,157,657	70.	5,517,502	110.	5,805,591	144.	Data-Over Cable Service Interface
31.	5,159,592	71.	5,517,618	111.	5,805,596		Specifications; Radio Frequency Interface Specification; SPRFIv1.1-I01-990311; 1999; Cable Television Laboratories, Inc.; pps. 1-310
32.	5,166,930	72.	5,521,925	112.	5,808,671		
33.	5,166,931	73.	5,533,108	113.	5,808,886	145.	Data-Over Cable Technical Reports;
34.	5,181,107	74.	5,534,913	114.	5,812,819		Operations Support System Framework for
35.	5,185,860	75.	5,535,206	115.	5,818,845		Data Over Cable Serivces; TR-DOCS-OSSIW08-961016; 1996; MCNS Holdings,
36.	5,195,092	76.	5,535,403	116.	5,822,319		LP; pps. 1-20
37.	5,208,665	77.	5,553,287	117.	5,828,655	146.	Data-Over Cable Service Interface
38.	5,214,390	78.	5,572,640	118.	5,828,666		Specifications; Operations Support System
39.	5,226,120	79.	5,586,121	119.	5,835,696		Interface Specification; SP-OSSI-I02-990113; 1999; Cable Television Laboratories, Inc.; pps.
40.	5,235,619	80.	5,594,798	120.	5,841,468		1-26

Docket No.: A-7145

- 147. Data-Over Cable Service Interface Specifications; Operations Support System Interface Specification Radio Frequency Interface; SP-OSSI-RFI-I03-990113; 1999; Cable Television Laboratories, Inc.; pps. 1-29
- 148. Data-Over Cable Service Interface Specifications; Operations Support System Interface Specification Baseline Privacy Interface MIB; SP-OSSI-BPI-I01-980331; 1997 & 1998; MCNS Holdings, LP; pps. 1-33
- 149. Data-Over Cable Service Interface Specifications; Radio Frequency Interface SpecificationSP-RFI-I04-980724; 1997; Cable Television Laboratories, Inc.; pp. 1-196
- 150. Radio Frequency (RF) Interface Management Information Base for MCNS Complaint RF Interfaces Draftietf-ipcdn-rf-interface-mib-04.txt; May 22, 1009; Guenter Roeck (editor); pps. 1-55
- 151. Cable Device Management Information Base for MCNS Complaint Cable Modems and Cable Modem Termination Systems draft-ietf-ipcdn-cable-device-mib-04.txt; May 22, 1998; Guenter Roeck (editor); pps. 1-32
- 152. Baseline Privacy Interface Management Information Base for MCNS Complaint Cable Modems and CableModem Termination Systems; R. Woundy; 1/17/99; pps. 1-35
- 153. Logical IP Subnetworks over IEE 802.14 Services; Mark Laubach; 3/13/98; pps. 1-13
- 154. A Distribute Queueing Random Access Protocol for a broadcast Channel; Wenxin Xu and Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps. 1-9
- 155. CBR Channels on a DQRAP-based HFC Network; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps. 1-14
- 156. Interleaved DQRAP with Global TQ; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps. 1-27
- 157. The EXTENDED DQRAP (XDARAP) ALGORITHM; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); 12/9/1994; pps. 1-4
- 158. Extended DQRAP (EXQRAP) A Cable TEV Protocol Functioning as a Distributed Switch; Chien-Ting Wu & Graham Campbell; Illinois Institute of Technology (Comp. Science Dept.); pps. 1-7
- 159. A Review of Contention Resolution Algorithms for IEEE 802.14 Networks; Nada Glomie; Yves Saintillan, & David H. Su; National Institute of Standards and Technology; pps. 1-11
- 160. A Review of Contention Resolution Algorithms for IEEE 802.14 Networks; Nada Glomie; Yves Saintillan, &David H. Su; National Institute of Standards and Technology; pps. 1-12
- 161. On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-13
- 162. On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-11
- 163. On IEEE 802.14 Medium Access Control Protocol; Ying-Dar Lin; 1998; pps. 1-10
- 164. Hybrid-Fiber Coax; Hung Nguyen and Felix Yao; 4/22/96; pps. 1-11
- 165. Cable Data Modem Performance Evaluation, A Primer for Non-Technical Readers; Cable Television Laboratories, Inc.; 11/15/96; pps. 1-8
- 166. High Speed Cable Modems, Including IEEE 802.14 Standards; Albert A. Azzam; Chapters 5, 6
- 167. Cable Device Management Information Base for DOCSIS Compliant Cable Modems and Cable Modem Termination Systems; Michael St. Johns; 3/30/99; pps. 1-54
- 168. Radio Frequency (RF) Interfaces Management Information Base for MCNS/DOCSIS Compliant RF Interfaces; Mike St. Johns, (Editor); 2/17/99; pps. 1-67
- 169. Telephony-Return Interface (TRI) Management Information Base for DOCSIS complaint Telephony-Return Cable Modems and Cable Modem Termination systems; S. Adiraju, J. Fijolek; 4/2/99; pps. 1-27

3

- 170. Data Over Cable System Quality of Service Management Information Base (DOCSIS-QOS MIB); Mike Patrick; J. Harvey; Motorola ING; 6/25/99; pps. 1-43
- 171. Docsis 1.1 IGMP MIB; H. Abramson, Motorola; June 1999; pps. 1-13
- 172. Publications and Technical Reports of Dolors Sala Home Page; pps. 1-6
- 173. Scheduling Disciplines for HFC Systems: What can we learn from ATM scheduling?; Dolors Sala, John O.Limb; GA Tech; pps. 1-12
- 174. A Protocol for Efficient Transfer of Data over Fiber/Cable Systems; Dolors Sala, John O. Limb; GA Tech;pps. 1-16
- 175. MAC Protocols for Multimedia Data over HFC Architecture; Dolors Sala Batlle; 10/27/95; pps. 1-28
- 176. An Access Protocol to Support Multimedia Traffic Over Hybrid Fiber/Coax Systems; John O. Limb, Dolors Sala; pps. 1-6
- 177. Simulation of the Performance of XDQRAP under a Range of Conditions; John O. Limb, Dolors Sala, Jason Collins, David Hartman, Daniel Howard; pps. 1-10
- 178. Interleaved DQRAP with Global TQ; Chien-Ting Wu, Graham Campbell; Illinois Institute of Technology, CS Dept.; 1/8/95; pps. 1-26
- 179. Data Link Protocols; Uyless Black; Bell Atlantic Education Services; PTR Prentice Hall; New Jersey; 1993, pps. 141-159
- ATM Foundation for Broadband Networks; Vol. 1; Ed. 2; Uyless Black; Prentice Hall; NJ; 1999; pp. 260-299
- 181. The V Series Recommendations; Ed. 2; Uyless Black; McGraw-Hill, Inc.; 1995; pp. 169-184
- 182. Frame Relay Networks; Ed. 2; Uyless Black; McGraw-Hill, Inc.; 1996; pp. 159-176
- 183. ISDN; Ed. 2; Gary C. Kessler & Peter V. Southwick; McGraw-Hill, Inc.; 1997; pp. 111-128
- 184. ISDN & SS7: Architecture for Digital Signaling Networks; Uyless Black; Prentice Hall; NJ; 1997; pp. 31-47
- 185. ISDN and Broadband ISDN with Frame Relay and ATM; Ed. 4; William Stallings; Prentice Hall; NJ; 1999 pp.181-343; pp.312-343
- 186. rfc 1541 *Dynamic Host Configuration Protocol*, R. Droms, October 1993, found at URL http://www.cis.ohio-state,edu/htbin/rfc/rfc1541.html
- 187. R. Droms; Dynamic Host Configuration Protocol; October 1993; pps. 1-39
- 188. W. Richard Stevens; TCP/IP Illustrated, Volume 1, The Protocols; Chapters 1, 2, 3, 4, 9, 11, 16
- 189. T. Li et al.; Cisco Hot Standby Router Protocol (HSRP), RFC 2281, March 1998, pps. 1-17, ftp://ftp.isi.edu/in-notes/rfc2281.txt
- 190. Y. Rekhter et al., Address Allocation for Private Internets, RFC 1597, March 1994, pps. 1-8, ftp://ftp.isi.edu/in-notes/rfc1597.txt
- 191. E. Lear et al., Network 10 Considered Harmful (Some Practices Shouldn't be Codified), July 1994, pps. 1-8, ftp://ftp.isi.edu/in-notes/rfc1627.txt
- 192. E. Gerich, Unique Addresses are Good, RFC 1814, June 1995, pps. 1-3, ftp://ftp.isi.edu/in-notes/rfc1814.txt
- 193. Y. Rekhter et al., Address Allocation for Private Internets, RFC 1918 February 1996, pps. 1-8 ftp://ftp.isi.edu/in-notes/rfc1918.txt
- 194. K. Egevang, The IP Network Address Translator (NAT), RFC 1631, May 1994, pps. 1-10, ftp://ftp.isi.edu/in-notes/rfc1631.txt

4

- 195. P. Srisuresh et al., IP Network Address Translator (NAT) Terminology and Consideration, RFC 2663, August 1999, pps. 1-30, ftp://ftp.isi.edu/in-notes/rfc2663.txt
- 196. P. Srisuresh et al., Load Sharing using IP Network Address Translation (LSNAT), RFC 2391, August 1998, pps. 1-18, ftp://ftp.isi.edu/in-notes/rfc2391.txt
- 197. P. Srisuresh et al., DNS Extensions to Network Address Translators (DNS_ALG), RFC 2694, September 1999, pps. 1-29, ftp://ftp.isi.edu/in-notes/rfc2694.txt
- 198. P. Srisuresh, Security Model with Tunnel-mode IPsec for NAT Domains, RFC 2709, October 1999, pps 1-11, ftp://ftp.isi.edu/in-notes/rfc2709.txt
- 199. G. Tsirtsis et al., Network Address Translation Protocol Translation (NAT-PT), RFC 2766, February 2000, pps, 1-21, ftp://ftp.isi.edu/in-notes/rfc2766.txt
- 200. E. Nordmark, Stateless IP/ICMP Translation Algorithm (SIIT), RFC 2765, February 2000, pps. 1-26 ftp://ftp.isi.edu/in-notes/rfc2709.txt
- 201. M. Allman et al., FTP Extensions for IPv6 and NATs, RFC 2428, September 1998, pps. 1-8, ftp://ftp.isi.edu/in-notes/rfc2428.txt
- 202. Extended DQRAP (XDQRAP); Chien-Ting Uw; Graham Campbell; Illinois Institute of Technology (Comp. Sci. Dept); Jan 8, 1995; pp. 1-4

Docket No.: A-7145

	A concise explanation of the relevance of foreign language patents, foreign language publications
	and other foreign language information listed on PTO Form 1449, as presently understood by the
	individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the
	attached sheet, or where a foreign language patent is cited in a search report or other action by a
	foreign patent office in a counterpart foreign application, an English language version of the search
	report or action which indicates the degree of relevance found by the foreign office is listed on the
	form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

TO.

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc. Intellectual Property Department 5030 Sugarloaf Parkway

Lawrenceville, GA 30044

By:

KENNETH M. MASSARONI

Attorney of Record

Reg. No.: 33,015 Phone: (770) 236-4717 Fax No.: (770) 236-4806

Certificate of Hand-Delivery

. Jennifer Houris-Lohse, hereby certify that a copy of this Information

Disclosure Statement with all attachments was hand-delivered to Examiner Ricky Ngo at the

6

United States Patent and Trademark Office on Q

, 2001.

Signature

Printed Name